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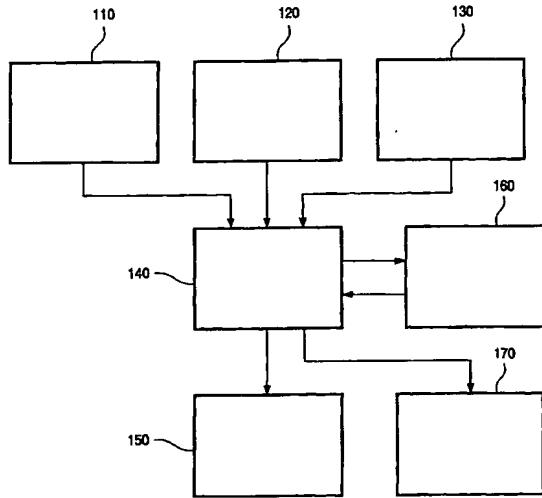
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(54) Title: METHOD AND SYSTEM FOR ALLOCATING SHARED RESOURCES BETWEEN APPLICATIONS



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(57) Abstract: On resource limited platforms a set of scalable and non-scalable algorithms may run to enable different applications concurrently, while using all available programmable resources. One of the applications may have the main user attention (user focus), but there is no mechanism to automatically or manually adapt the output quality to the application with user focus. The present invention provides a solution by means of a method and a corresponding system for allocating shared resources between applications with media information on a resource limited platform. The method comprises the steps of identifying an application with a current focus of a user; setting or increasing the output quality of the application with the current focus of the user; and automatically allocating a remaining part of the resources to at least one application without the current focus of the user.



TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 091 414 A (KRAFT IV GEORGE ET AL) 18 July 2000 (2000-07-18)	1-3,6, 9-11,14, 17
Y		4,5,7,
A	column 3, line 61 - column 4, line 23 column 6, line 42 - line 53 column 8, line 37 - line 48	12,13,15 8,16
X	WO 02/37275 A (HENTSCHEL CHRISTIAN ; GABRANI MARIA (NL); BRIL REINDER J (NL); KONINKL) 10 May 2002 (2002-05-10) page 5, line 28 - page 6, line 14 page 7, line 11 - line 23 page 11, line 3 - page 12, line 2	1-3,6, 9-11,14, 17
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Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 99/24966 A (SLOTZNICK BENJAMIN) 20 May 1999 (1999-05-20) page 5, line 2 – page 6, line 7 page 13, line 25 – page 14, line 6 -----	4,12
Y	PETERSON K. E.: "Ask the VB Pro: Force Your Way to the Foreground" VIS. BASIC PROGRAM. J. (USA), VISUAL BASIC PROGRAMMER'S JOURNAL, FEB. 1999, FAWCETTE TECHNICAL PUBLICATIONS, USA, 'Online! vol. 9, no. 2, 1 February 1999 (1999-02-01), pages 94-97, XP002293836 ISSN: 1075-1955 Retrieved from the Internet: URL: http://www.ftponline.com/archives/premier/mgznarch/vbpj/1999/02feb99/ap0299.pdf > 'retrieved on 2004-08-25! page 94, left-hand column, line 1 – right-hand column, line 19 -----	5,13
Y	"DYNAMIC ADJUSTMENT OF PROGRAM PRIORITY" IBM TECHNICAL DISCLOSURE BULLETIN, IBM CORP. NEW YORK, US, vol. 37, no. 3, 1 March 1994 (1994-03-01), pages 61-62, XP000441376 ISSN: 0018-8689	7,15
A	the whole document -----	8,16
A	ANONYMOUS: "Making Objects – Their position and relationship" STARDOCK DESKTOPX TUTORIAL, 'Online! 19 October 2001 (2001-10-19), XP002293837 Retrieved from the Internet: URL: http://web.archive.org/web/20011019224508/http://www.stardock.com/products/desktopx/tutorial/user/making/position.htm > 'retrieved on 2004-08-25! page 1, line 4 – line 38 -----	4,12
A	US 6 078 942 A (EISLER CRAIG G ET AL) 20 June 2000 (2000-06-20) abstract column 12, line 30 – line 58 -----	8,16

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 6091414	A	18-07-2000	NONE		
WO 0237275	A	10-05-2002	WO	0237275 A2	10-05-2002
			EP	1410199 A2	21-04-2004
			JP	2004513428 T	30-04-2004
			US	2003009506 A1	09-01-2003
WO 9924966	A	20-05-1999	AU	1391999 A	31-05-1999
			CA	2309658 A1	20-05-1999
			EP	1036391 A1	20-09-2000
			WO	9924966 A1	20-05-1999
			US	6609146 B1	19-08-2003
US 6078942	A	20-06-2000	NONE		